

## PW513/XPW713 X-10 Interfaces



### Product Overview

The X-10 to UPB Bridge (PW513) and X-10 to UPB™ Converter (XPW713) Interfaces are the perfect devices to UPB™ -enable common home controllers and alarm panels by translating X-10 signals to a UPB™ network. These devices were designed by utilizing simple mapping of X-10 codes to PulseWorx™ UPB™ commands.

Example:

A1-ON = Link 1 Activate  
A1-OFF = Link 1 Deactivate  
A2-ON = Link 2 Activate  
A2-OFF = Link 2 Deactivate

The PW513 Bridge and XPW713 Converter can be easily added to any existing X-10 home automation system, Home Controller or Alarm Panel buy just plugging them in. These two devices address the growing number of homes with existing X-10 systems that would like to transition to a more robust, ultra-reliable and advanced communication protocol. In essence every device that talks X-10 can now talk to our PulseWorx™ UPB™ product line.

UPB™ is the perfect low cost alternative to hard-wired and RF control technologies, requiring no new wires and providing ultra-reliable communications between transmitters and receivers.

The PW513 Bridge replaces the current requirement of an X-10 PSC04 or PL513 connected to Alarm Panels to communicate to PulseWorx™ UPB™ Devices without the manufacturers rewriting or integrating any further components or cost to control UPB™ dimmers and switches.

The XPW713 Converter translates any X-10 command already on the powerline into an ultra-reliable UPB™ command. This will allow you to create a hybrid system to either enhance an existing system or slowly convert existing X-10 devices to ultra-reliable PulseWorx™ devices when needed.

The default command sets can be modified by using PCS's UPStart software. UPStart is a free Windows® based application designed to communicate with and configure your PulseWorx™ Universal Powerline Bus devices over the existing house electrical wiring.

PCS products are completely **Made in the USA** and carry a **Five-Year** limited warranty.



### Features

- **Two Types of Interfaces**

Two types of Interfaces are available: one that interfaces to a standard X-10 output (COMM) port and one that interfaces to the powerline.

- **Simple Mapping Table**

Simple, well-documented, X-10 to UPB™ conversion table makes it easy to transition into the power of UPB™

- **Easy Installation**

Just plug into standard wall outlet then connect cable between PW513 and Alarm Panel or Home Controller

- **Ultra-Reliable Powerline Communication**

UPB™ is over exponentially more reliable than existing powerline technology products on the market today

- **UPB™ Noise Rejection**

Special firmware algorithms reduce the unwanted effects of powerline noise

- **Multi - Colored LED**

Used to indicate status of powerline communications and to indicate mode changes

- **Durable Plastic Case**

Interfaces are encased in a durable plastic case about the size of a small wall transformer

- **Low Cost Home Automation**

UPB™ based products are a fraction of the expense of hardwired and RF products

- **Highest Quality**

PCS's philosophy is to produce products with the highest possible quality and reliability

- **PCS Reputation**

The PCS reputation is unmatched in the Home Automation market representing superior quality, high reliability, and excellent customer service

## PW513/XPW713 X-10 Interfaces



### Ordering Information

- **Part Number**  
**PW513** (X-10 To UPB Bridge)  
**XPW713** (X-10 to UPB Converter)

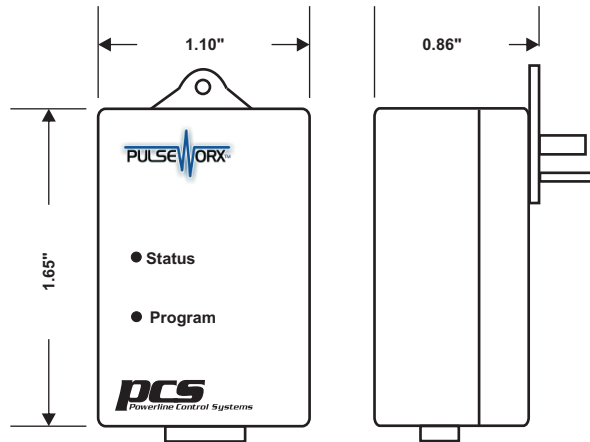
### Installation

- **Mounting**  
 Plugs into standard electrical receptacle. Do not plug into filtered power strip or uninterruptible power supply (UPS).
- **Connection**  
 Connect male end of supplied cable to the PW513 connector. Connect the other end of supplied cable to the X-10 comm port..

### Additional Information

- **Warranty**  
 Five-year Limited Warranty
- **UL Listing**  
 Pending

### Wiring Diagram



### Wiring Diagram

